

## Claims

- [1] A sink mounting type dish washer comprising:  
a drain body 15 mounted at the bottom of a water container 10;  
a cap 20 which is provided at the upper portion of the drain body 12 and opens and closes the drain body 12;  
an outer body 30 which is detachably combined at the periphery of the drain body 12 and in which a first coil 25 is embedded;  
a core 40 which is sealingly embedded in the cap 20 and to the periphery of which a second coil 35 is wound;  
an ultrasonic vibrator 45 which is provided at the upper portion of the cap 20 and is connected to the second coil 35 in the cap 20 and is operated by the induction current generated at the second coil 35;  
and a controller 60 which is connected to the first coil 25 and supplies electric power to the first coil 25 by the signal inputted from a separate control panel 50;  
and wherein washing function may be provided to the conventional sink because the outer body 30 having the first coil 25 may be inserted into the drain body 15 and the conventional cap may be replaced with the cap 20 having the core 40 to the periphery of which the second coil 35 is wound.
- [2] A sink mounting type dish washer of claim 1 further comprising:  
RF modules 65, 70 which are respectively provided on the controller 60 and the control panel 20;  
and wherein the control panel 20 may be arbitrarily located because a signal may be wirelessly transmitted from the control panel 20 to the controller 60.